

In The Claims:

Please amend claims 21 - 36, and 41 as follows:

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Cancelled)
14. (Cancelled)
15. (Cancelled)
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Currently Amended) A method of creating a reamed hole below the surface, the method comprising the steps of:

positioning a directional drilling machine on the surface, the directional drilling machine having ~~at least one a dual stem~~ boring stem, the boring stem having concentric inner and outer stems;

connecting a reaming device using a dual reaming mechanism, said mechanism being driven by ~~one of a plurality of boring stems, with at least one stem concentrically located inside of another, and a single stem having mechanical means to differentiate torque, the interior section of the dual reaming mechanism having the capability of being rotated at a slower and a faster revolution rate than the exterior section of the apparatus~~ the dual stem boring stem, wherein the inner and outer stems are coupled, respectively, to an interior section and an exterior section of the reaming device;

~~using the dual reaming mechanism to form a reamed hole that is larger than the drill; wherein~~

~~the interior and exterior portions of the dual reaming apparatus are rotated in opposite ones of a clockwise direction and a counterclockwise direction~~ pulling back the remaining apparatus thereby forming a reamed hole that is larger than the boring stem.

22. (Currently Amended) The method of claim 21 wherein the dual reaming mechanism is used to form a substantially non-round or irregularly shaped reamed hole larger than the drill.

23. (Currently Amended) The method of claim 21 wherein the interior ~~portion~~ section is rotated at a different rate than the exterior ~~portion~~ section ~~by use of one of a combination of at least two gears and a camshaft, said gears or camshaft each differentiating torque provided by rotation of a connected directional boring machine drill string.~~

24. (Currently Amended) A dual reaming apparatus comprising:
~~a rearward and a forward end, the forward end being capable of being connected to a directional boring machine, said apparatus having at least two parts comprising an interior portion and an exterior portion, wherein said interior portion can be turned independently of said exterior portion, and wherein the interior and exterior portions of the dual reaming apparatus are rotatable in opposite ones of a clockwise direction and a counterclockwise direction and the exterior portion of the reaming apparatus is rotated in the opposite direction with respect to said interior portion~~ a dual stem boring stem device;
an exterior section comprising a hollow shell of predetermined cross-sectional shape, the exterior section having a portion for cutting or reaming sub-surface material and a first coupling member for coupling with an outer stem of the dual stem; and

an interior section, disposed within the exterior section and having projections shaped for mixing cut or reamed material, the interior section including a second coupling member for coupling with an inner stem of the dual stem, wherein the interior section and the exterior section are rotated independently of one another in either a clockwise or counterclockwise direction such that they will turn in either direction regardless of the direction the other is turning.

25. (Currently Amended) The apparatus of claim 24 wherein the ~~interior portion is connected by a threaded connection and the exterior portion is connected by a threaded connection or a slotted connection member~~ first coupling member comprises a threaded connection member.

26. (Currently Amended) The apparatus of claim 24 ~~where there is at least one stabilizing wing located on the exterior portion~~ the second coupling member comprises a threaded connection member or a slotted connection member.

27. (Currently Amended) A method of creating a substantially horizontal reamed hole below the surface, the method comprising the steps of:

positioning a directional drilling machine on the surface, the directional drilling machine having ~~at least one~~ a dual stem boring stem, the boring stem having concentric inner and outer stems; and

connecting a reaming device to the ~~at least one~~ boring stem wherein the reaming device has a dual reaming mechanism with an interior section and an exterior section

wherein the interior section is ~~rotatable independently of the exterior section, wherein a substantially non-circular reamed hole is produced, wherein~~

~~the interior and exterior portions of the dual reaming apparatus are rotatable in opposite ones of a clockwise direction and a counterclockwise direction~~ coupled to the inner stem and the exterior section is coupled to the outer stem;

pulling back the reaming apparatus thereby forming a reamed hole that is larger than the stem; and

rotating the interior section of the dual reaming mechanism at a slower or faster revolution rate than the exterior section of the apparatus during the pulling back step.

28. (Currently Amended) A method according to claim 27, wherein the ~~dual reaming mechanism is connected to a plurality of boring stems with at least one stem concentrically within another~~ interior section of the dual reaming device is rotated in a clockwise rotation and the exterior section of the reaming device is rotated in a counterclockwise rotation.

29. (Currently Amended) A The method according to claim 27, wherein the ~~dual reaming mechanism is connected to a single boring stem and a mechanical means is provided to produce differential torque~~ interior section of the dual reaming device is rotated in a counterclockwise rotation and the exterior section of the reaming device is rotated in a clockwise rotation.

30. (Currently Amended) ~~Using the~~ The method of claim 27, wherein the reaming device is used to produce a substantially circular reamed hole area where dirt has been removed.

31. (Currently Amended) ~~Using the~~ The method of claim 28 21, wherein the reaming device is used to produce a substantially circular reamed hole area where dirt has been removed.

32. (Currently Amended) ~~Using the method of claim 29 to produce a substantially circular reamed hole~~ The apparatus of claim 24, wherein there are provided inside the exterior section one or more jets for ejection of fluid to assist in mixing of the reamed material.

33. (Currently Amended) ~~Using the method of claim 27 to produce a substantially non-circular reamed hole~~ The method of claim 21, wherein the interior section of the dual reaming device is rotated in a clockwise rotation and the exterior section of the reaming device is rotated in a counterclockwise rotation

34. (Currently Amended) ~~Using the method of claim 28 to produce a substantially non-~~

~~circular reamed hole~~ The method of claim 21, wherein the interior section of the dual reaming device is rotated in a clockwise rotation and the exterior section of the reaming device is rotated in a counterclockwise rotation.

35. (Currently Amended) ~~Using the method of claim 29 to produce a substantially non-~~
~~circular reamed hole~~ The method of claim 21, wherein the interior section of the dual reaming device is rotated in a clockwise or counterclockwise position and the exterior section of the reaming device is rotated in a clockwise or counterclockwise position.

36. (Currently Amended) An apparatus for creating a reamed hole below the surface, the apparatus comprising:

~~a reaming device arranged to be connected to one or more boring stems, the reaming device having an interior section and an exterior section which are rotatable independently of each other, wherein the interior section and exterior section are both rotatable about the same axis, and wherein the interior and exterior portions of the dual reaming apparatus are rotated in opposite ones of a clockwise direction and a counterclockwise direction~~ a dual stem boring stem device;

an exterior section comprising a hollow shell of predetermined cross-sectional shape, the exterior section having a portion for cutting or reaming sub-surface material and a first coupling member for coupling with an outer stem of the dual stem; and

an interior section, disposed within the exterior section and having projections shaped for mixing, in use, cut or reamed material, the interior section including a second coupling member for coupling with an inner stem of the dual stem, wherein the exterior section and the interior section are turned independently of each other by the dual stem.

37. (Previously Presented) An apparatus according to claim 36 wherein the exterior section is arranged to substantially not rotate during the creation of a reamed hole

38. (Previously Presented) An apparatus according to claim 37, wherein the exterior section is provided with at least one outside stabilizing wing to reduce rotation.

39. (Previously Presented) An apparatus according to claim 37, wherein the exterior section has a non-circular cross section.

40. (Previously Presented) An apparatus according to claim 36, wherein the exterior section has a substantially circular cross section.

41. (Currently Amended) An apparatus according to claim ~~38~~ 36, wherein the exterior section and the interior section are both rotatable about the same axis ~~has a non-circular cross section.~~

In the Specification:

Page 5, line 3, replace “4” with –5--.